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FIG.1

XML FILE (LANGUAGE DATA FILES, SETTING FILE) **XSLT FILE**

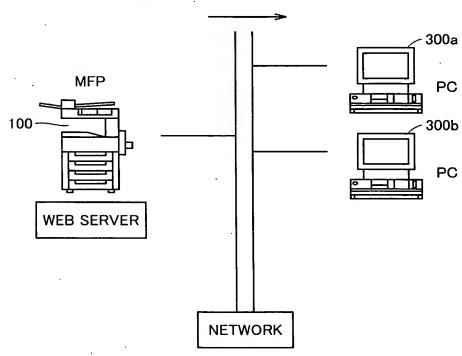
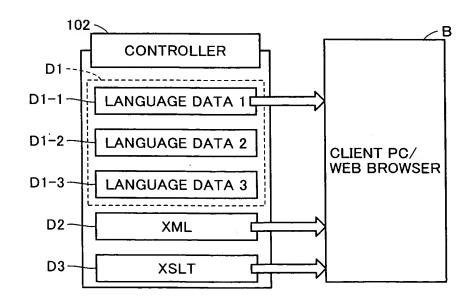


FIG.2



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FIG.3

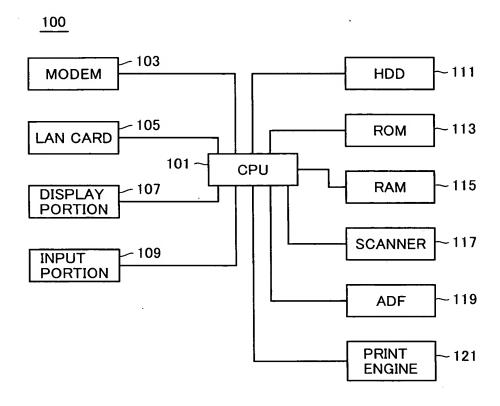
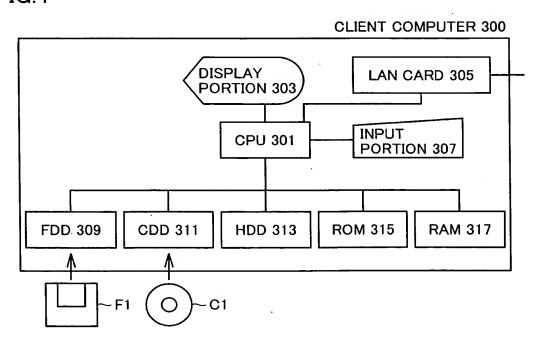


FIG.4



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FIG.5

XML1(English.xml)

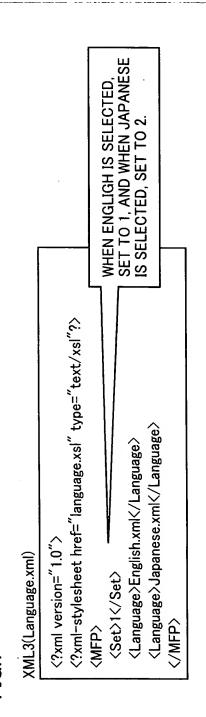
```
<MFP>
 <Title>Print</Title>
 <Select>
 <item>Enable</item>
 <item>Disable</item>
 </Select>
</MFP>
```

FIG.6

XML2(Japanese.xml)

```
<MFP>
 <Title>プリント</Title>
 <Select>
 <item>有効</item>
 <item>無効</item>
 </Select>
</MFP>
```

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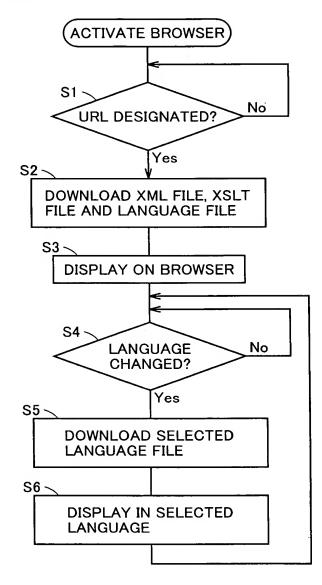


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```
LANGUAGE FILE OF THE CURRENTLY SET LANGUAGE IS AUTOMATICALLY SELECTED
                                                                                                                                                              "document('Language.xml')//Language[position()=number(/MFP/Set)]"/>
                                                       <xsl:stylesheet xmlns:xsl=http://www.w3.org/1999/XSL/Transform version="1.0">
                                                                                                                                                                                                                                                                                                                                                                                                        <xsl:for-each select="document($Language)//MFP/item">
                                                                                                                                                                                                                                                                                                                                                                                                                                                           <xsl:value-of select="."/>
                                                                                    <xsl:output method="html" encoding="UTF-8"/>
                                 <?xml version="1.0" encoding="UTF-8"?>
                                                                                                                                                                                                                                                                                                                              <TD>NetWare Print</TD>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   </xsl:for-each>
                                                                                                                <xsl:variable name≕″Language″>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    </option>
                                                                                                                                                                                                                                                                                                                                                                              <select size="1">
                                                                                                                                                                                                                                                                                                                                                                                                                                     <option>
                                                                                                                                            <xsl:value-of select=</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            </select>
XSLT(Language.xsl)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             </xsl:stylesheet>
                                                                                                                                                                                                </xsl:variable>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        </TABLE>
                                                                                                                                                                                                                                                                            <TABLE>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    \/BODY>
                                                                                                                                                                                                                                                  <BODY>
                                                                                                                                                                                                                           CHTML
```

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FIG.9



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FIG.10

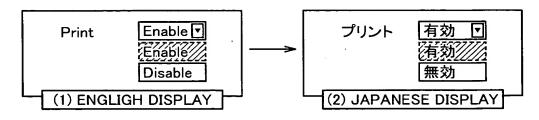
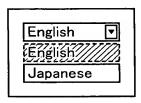
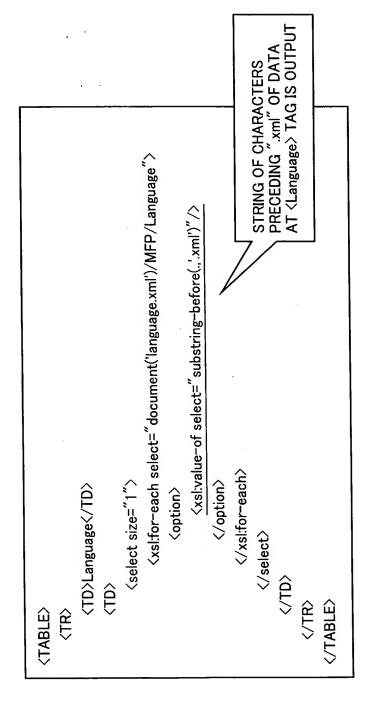


FIG.11



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FIG.13

Folder1.xml (INFORMATION OF THE FILE STORED IN Folder1)

```
<MFP>
 <File>
  <FileName>Jane.tif</FileName>
  <ReceiveTime>2003/7/4 9:30</ReceiveTime>
  <FileSize>255</FileSize>
 </File>
 <File>
  <FileName>Map/jpg</FileName>
  <ReceiveTime>2003/7/5 14:00</ReceiveTime>
  <FileSize>300</FileSize>
</MFP>
```

FIG.14

Folder2.xml (INFORMATION OF THE FILE STORED IN Folder2)

```
<MFP>
 <File>
  <FileName>test.tif</FileName>
  <ReceiveTime>2003/7/3 10:00</ReceiveTime>
  <FileSize>255</FileSize>
 </File>
 <File>
  <FileName>example.jpg</FileName>
  <ReceiveTime>2003/7/6 13:00</ReceiveTime>
  <FileSIze>300</FileSize>
</MFP>
```

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FIG.15

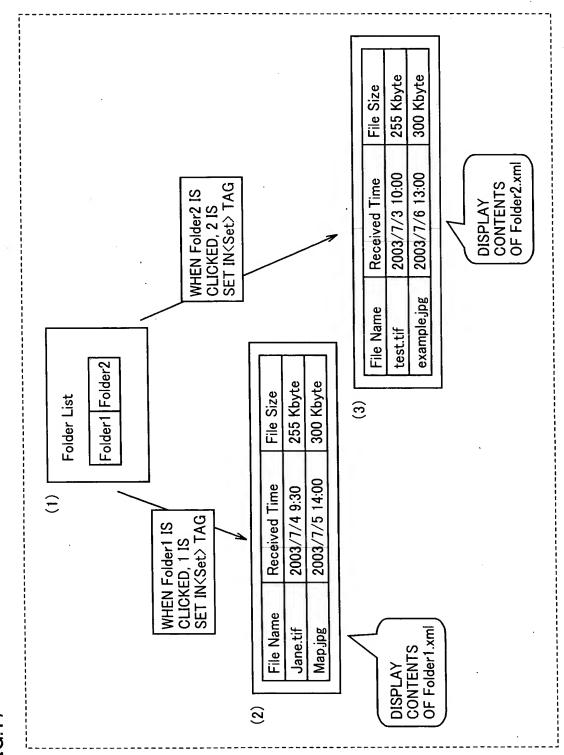
BoxList.xml

FIG.16

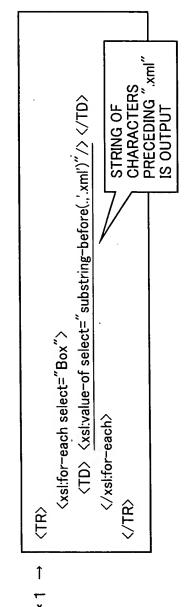
STYLE SHEET (BoxList.xsl)

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl=http://www.w3.org/1999/XSL/Transform version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Box">
  <xsl:value-of select=
      "document(BoxList.xml')//Box[position()=number(/MFP/Set)]"/>
</xsl:variable>
<HTML>
<BODY>
<TABLE id="BoxList" style="display:block">
          <TR><TD>Folder1</TD></TR>
         '<TR><TD>Folder2</TD></TR>
</TABLE>
<TABLE id="BoxInfo" style="display:none">
  <TR>
          <TD>File Name</TD>
          <TD>Received Time</TD>
          <TD>File Size</TD>
  </TR>
  <xsl:for-each select="document($Box)/MFP/File">
  <TR>
          <TD><xsl:value-of select="FileName"/></TD>
          <TD><xsl:value-of select="ReceivedTime"/></TD>
          <TD><xsl:value-of select="FileSize"/></TD>
  </TR>
  </xsl:for-each>
 </TABLE>
</BODY>
</xsl:stylesheet>
```

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FIG.19

ONE EXAMPLE (BoxList2.xml)

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FIG.20

STYLE SHEET (BoxList2.xsl)

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl=http://www.w3.org/1999/XSL/Transform version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Box">
  <xsl:value-of select=</pre>
      "document(BoxList.xml')//Box[position()=number(/MFP/Set)]"/>
  </xsl:variable>
<HTML>
<BODY>
<TABLE id="BoxList" style="display:block">
         <xsl:for-each select="Folder">
         <TR><TD><xsl:value-of select="Name"/></TD></TR>
         </xsl:for-each>
</TABLE>
 <TABLE id="BoxInfo" style="display:none">
  <TR>
          <TD>File Name</TD>
          <TD>Received Time</TD>
          <TD>File Size</TD>
  </TR>
  <xsl:for-each select="document($Box)/MFP/File">
  <TR>
          <TD><xsl:value-of select="FileName"/></TD>
          <TD><xsl:value-of select="ReceivedTime"/></TD>
          <TD><xsl:value-of select="FileSize"/></TD>
  </TR>
  </xsl:for-each>
 </TABLE>
</BODY>
</xsl:stylesheet>
```

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FIG.21

EXEMPLARY DISPLAY

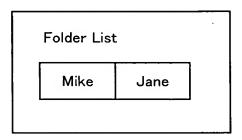
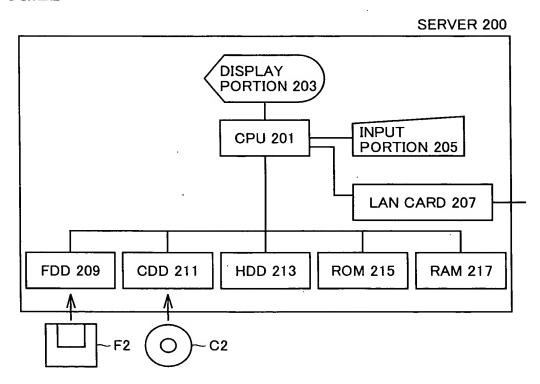


FIG.22



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FIG.23

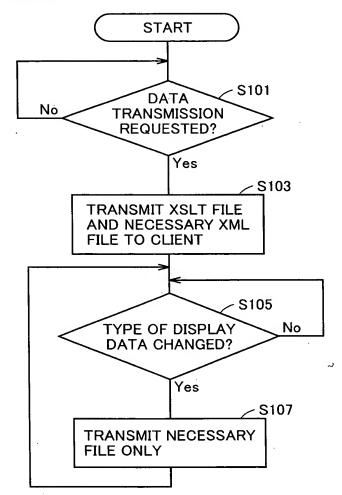
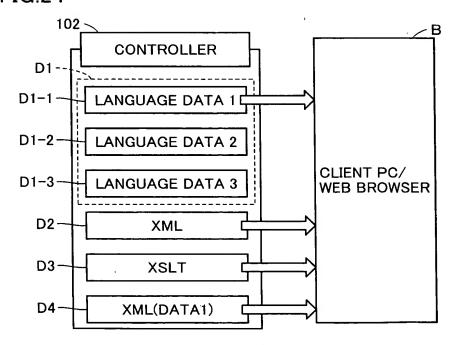


FIG.24



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FIG.25

XML1(English.xml)

FIG.26

XML2(Japanese.xml)

```
《MFP》
《Print》プリント〈/Print》
《Status》
《Item data="Ready"》レディ〈/Item〉
《Item data="Error"》エラー〈/Item〉
《/Status》
《Select》
《Item data="Enable"》有効 〈/Item〉
《Item data="Disable"》無効〈/Item〉
《/Select》
```

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WHEN ENGLIGH IS SELECTED, SET TO 1, AND WHEN JAPANESE IS SELECTED, SET TO 2. <Language>Japanese.xml</Language>
</MFP> <Language>English.xml</Language> XML3(Language.xml) <Set>1</Set> <MFP>

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FIG.28

DATA1(data.xml)

```
<?xml version="1.0">
<?xml-stylesheet href="data.xsl" type="text/xsl"?>
<MFP>
 <Print>
  <Status>Ready</Status>
  <Function>Enable</Function>
 </Print>
</MFP>
```

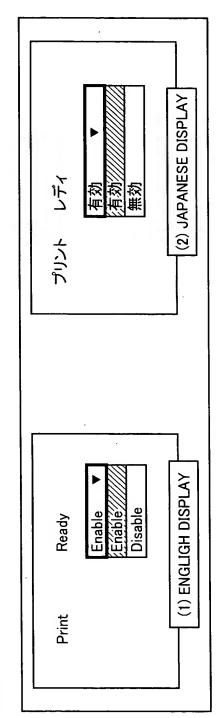
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FIG.29

XSLT(data.xsl)

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl=http://www.w3.org/1999/XSL/Transform version="1.0">
<xsl:output method="html" encoding="UTF-8"/>
<xsl:variable name="Language">
  <xsl:value-of select=</pre>
      ′document('Language.xml')//Language[position()=number(/MFP/Set)]″/> ← (1)
</xsl:variable>
<HTML>
                                            LANGUAGE FILE OF THE
<BODY>
                                            CURRENTLY SET LANGUAGE IS
 <TABLE>
    <TR>
                                            AUTOMATICALLY SELECTED.
         <xsl:value-of select="document($Language)//MFP/Print"/> <- (2)</pre>
                        "Ready" IS STORED IN VARIABLE X
    </TR>
    <TR>
      <xsl:variable name="X"><xsl:value−of select="MFP/Print/Status"/></xsl:variable> ← (3)
      </TD>
                               DISPLAY CONTENTS OF Item TAG
                               OF WHICH ATTRIBUTE data IS VARIABLE X
      <TD>
(5) -> <xsl:variable name="Y"><xsl:value-of select="MFP/Print/Function"/></xsl:variable>
         <select size="1">
              <xsl:for-each select="document($Language)//MFP/Select/Item">
              <option>
              <xsl:if test="@data=$Y">
                   <xsl:attribute name="selected">selected</xsl:attribute>
          (6)
              <xsl:value-of select="."/>
                                            LOOK VALUE OF Function TAG OF DATA1,
              </option>
                                            AND PRESENT PRESELECTED DISPLAY
              </xsl:for-each>
                                            ON SELECT BOX.
         </select>
      </TD>
    </TR>
 </TABLE>
</BODY>
</xsl:stylesheet>
```

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FIG.31

XML1(User.xml)

FIG.32

XML2(Admin.xml)

```
<MFP>
  <Check>
     <ErrorItem>
         <Item name="IPAdd">IP address
         <Item name="SubnetMask">Subnet Mask</Item>
      </ErrorItem>
      <Message>
         <Item name="Ok_1">Complete</Item>
         <Item name="Str_1">Not input yet. Input absolutely necessary.
         <Item name="Str_2">Number of input characters exceeds available number.
         <Item name="Str_3">
            Characters not settable included. Only numerals and period can be input.
         </Item>
         <Item name="Err_2">
            Internal error occurred. Set again.
         </Item>
      </Message>
   </Check>
 </MFP>
```

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FIG.33

```
XML3(System.xml)
```

```
<MFP>
  <Set>1</Set>
  <Kind>User.xml</Kind>
  <Kind>Admin.xml</Kind>
</MFP>
```

FIG.34

DATA1(error.xml)

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet href="Error.xsl" type="text/xsl"?>
<MFP>
   <Message>
      <Item Code="Str_1">IPAdd</Item>
      <Item Code="Str_3">SubnetMask</Item>
   </Message>
</MFP>
```

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STORE ATTRIBUTE Code VALUE OF Item TAG OF !—error.xml TO VARIABLE Co→ (STORE VALUE OF Item TAG OF !—error.xml TO VARIABLE Me→ -> <xsl:value-of select="document(\$Display)/MFP/Check/ErrorItem/Item[@name=\$Me]"/> <xsl:value-of select="document(\$Display)/MFP/Check/Message/Item[@name=\$Co]"/> <xsl:value-of select="\$Fix/Error/Message"/> (xsl:stylesheet xmlns:xsl=http://www.w3.org/1999/XSL/Transform version="1.0"> <xsl:variable name="Co"><xsl:value-of select="@Code"/></xsl:variable> 3 <xsl:variable name="Me"><xsl:value-of select="."/></xsl:variable>) "document('System.xml')//Kind[position()=number(/MFP/Set)]"/> User.xml IS STORED $\langle table \ valign="top" width="510px" align="center"
angle$ <xsl:for-each select="Message/Item'> $\langle ?$ xml version="1.0" encoding="UTF-8"? \rangle <td width="210px"> <xsl:variable name="Display"> <td width="300px"> <xsl:value-of select=</pre> </xsl:for-each> </xsl:variable> **\tr**\ XSLT(Error.xsl) (£ <BODY> **CHTML** (2) <u>4</u>

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FIG.36

IP address

Not input yet

Subnet mask

Input character not correct